NOISE REJECTION ISOLATION: With unit under power and an ANSI/IEEE C62.41 Cat. A pulse applied either normal or common mode at the input, the noise output voltage will be less than 10v normal mode and less than 5v common mode in all four quadrants (CM-NM, NM-NM, CM-CM, NM-CM).

SURGE VOLTAGE WITHSTAND CAPABILITY: Tested under power to ANSI/IEEE C62.41 Cat. A & B (formerly IEEE 587-1980). Cat. A - 6000v @ 200 amps, 0.5 usec rise time, 100 kHz decay. Cat. B - 6000v @ 500 amps, 0.5 usec rise time, 100 kHz decay.

WARRANTY SUPPORT: POWERRVAR warrants the electronics and transformers used in its uninterruptible power managers to be free from defects in materials and workmanship for a five year period of five years from date of shipment. Batteries are warranted for a period of two years from the date of shipment. For North American service or support on any POWERRVAR product, please contact POWERRVAR technical support at (800) 369-7179 (in Illinois call (947) 596-7600). For service and support in EMEA, contact POWERRVAR Ltd, in the United Kingdom at +44 (0) 1793 553980. Or visit the POWERRVAR website at www.powervar.com.

BATTERY LIFE DISCLAIMER: POWERRVAR's standard battery warranty applies only to UPS and UPM products which are continuously connected to AC mains power, except during utility power outages. Products which are regularly and intentionally disconnected from AC mains power will experience battery discharge/charge cycle potentially far more numerous than those for which the battery was designed. As a result, products used in such applications will experience substantially reduced battery life. For that reason, POWERRVAR's standard battery warranty does not apply for applications in which the UPS or UPM product is regularly and intentionally disconnected from AC mains power. POWERRVAR UPS and UPM products used in such applications shall receive a 90 day warranty on batteries.

Extend NEW PLANMECA X-Ray System Warranty to 3 Years
Purchase and properly install the appropriate PLANMECA Power Conditioner with your newly purchased PLANMECA X-Ray Imaging System and PLANMECA will give an additional year on the product warranty.
What do you need to know about Power Problems?

Power problems can enter your computer in two different ways:

- **Normal Mode**
  One way is in Normal Mode (NM), which happens through power disturbances that enter your computer system using a path provided by the phase and neutral conductors. NM disturbances are mostly associated with lightning, utility grid switching, facility load spiking, and similar events. These events are associated with power supply issues or hardware failures.

- **Common Mode**
  The second way power problems can occur is in what is called the Common Mode (CM). This is where power disturbances enter the computer between either the current carrying conductor (phase or neutral) and the safety ground conductor. Much emphasis is placed on limiting CM disturbances between neutral and ground. This is because CM voltages can easily disrupt computer operations. Hardware damage is possible with CM events, but unreliable operation, lock-ups, and "soft" failures occur more frequently.

The only way to limit power disturbances to the levels recommended by the semiconductor industry is through the use of a power conditioner that incorporates a low impedance isolation transformer, a power line noise filter, and surge diveters. PLANMECA power conditioners meet these stringent criteria, and are UL listed.

Power problems affect your system in three different ways: Destruction, Degradation, and Disruption.

- **Destruction**
  Destruction occurs when a power disturbance is so large that its energy destroys a semiconductor device like a transistor or integrated circuit. These destructive disturbances can enter a computer system through NM or CM even though it is more likely for there to be a NM disturbance. These destructive disturbances leave visible evidence in the form of smoke, soot and charred components.

- **Degradation**
  Degradation occurs with lower amplitude power disturbances that enter an electronic system and affect components at a microscopic level. Since degrading power disturbances exceed the voltage tolerances of componentry material, erosion of the semiconductor material occurs. Consequently the damage leaves less semiconductor material to handle the needs of the circuit, resulting in higher operating temperatures. This sort of damage is cumulative and will eventually cause enough damage that the semiconductor junction experiences "thermal runaway" and fails. Without visible indications it can be almost impossible to identify failure caused by Degradation.

- **Disruption**
  Disruption occurs from power disturbances that are of such a frequency and amplitude that they can mimic actual logic signals which can cause a computer to make incorrect decisions. Disruption occurs when CM voltages become too excessive, or a system disruption due to the presence of ground loops in a networked environment. Ground loops are a major cause of data communications errors and slow the systems throughput. These disruptive events are often mistaken for software "bugs" or operator errors. Disruptive events are the most common cause of "No Problem Found" service calls.

### PLANMECA Power Conditioners

**Front Panel Controls**
- Power On/Off
- Test
- Load Level LED Gauge
- Battery Charge LED Gauge
- Output Receptacle Status
- Voltage Manager Boost
- Voltage Manager Nominal LED
- Voltage Manager Buck LED
- On Battery LED
- Replace Battery LED
- Overload LED

**Rear Panel Information and Controls**
- 6 foot power cord with NEMA 5 - 15P plug
- Six (6) NEMA 5 - 15R receptacles controllable via ComMgr Software in two groups
- Configuration Manager DIP switches
- Communications Manager DB9 port, USB Port
- Circuit Breaker
- AC inlet Module
- Site Wiring Fault LED
- Battery DC Jumper (also enables cold start on battery)

**Internal Batteries**
- User hot-swapable (see instruction manual)
- Type - 12 volt, High Rate 51W, 54W
- Quantity - 2 batteries; 4 batteries
- Charge time - 8 hours to 80%, 24 hours to full charge

**Environmental**
- Temperature - 0 + 40°C (32 - 104°F) Operating, -20 - +60°C (-40 - +140°F) Storage
- Humidity - 5 - 90% non-condensing (Operating, Storage)
- Altitude - 3000m (10,000 ft.) max. (Operating, Storage)

**Additional Model Specific Information**

**Safety Agency and EMC Compliance:**
- All units are listed by UL, and marked with the UL/cUL marking.
- Standard UPM:
  - Products listed to:
    - UL1778 2nd edition
    - CSA 22.2 Nos. 107-1
  - Products in compliance with:
    - FCC Part 15, Subpart B, Sections 15.107a & 15.109b
    - Class A Digital Device*
    - IEC61000-4-2, Electrostatic Discharge
    - IEC61000-4-3, Radiated Electromagnetic Field Immunity
    - IEC61000-4-4, Electrical Fast Transient/Burst Immunity
    - IEC61000-4-5, Surge Immunity
    - IEC61000-4-6, Immunity to Conducted Radio Frequency Disturbances
    - IEC61000-4-8, Power Frequency Magnetic Field Immunity
    - IEC61000-4-11, Voltage Dips, Short Interruptions, and Voltage Variations
- RoHS Compliance:
  - All products, Standard and Medical are RoHS compliant
The PLANMECA equipment you have purchased contains circuit boards and sensitive electronic components. For this equipment and all other sensitive electronic equipment to operate properly; clean power, without surges, spikes, or ground noise is essential.

PLANMECA Inc. recommends that our equipment be attached to a power conditioner. The power conditioners that we offer address all of the following: Destruction, Degradation, and Disruption. PLANMECA offers this solution in hopes that you will never see loss of critical data or premature failure of equipment due to the effects of power disturbances.

**Extend NEW PLANMECA X-Ray System Warranty to 3 Years**
Purchase and properly install the appropriate PLANMECA Power Conditioner with your newly purchased PLANMECA X-Ray Imaging System and PLANMECA will give an additional year on the product warranty.

**PLANMECA’s Solution for Power Quality**

<table>
<thead>
<tr>
<th>POWER CONDITIONER WITH BATTERY BACKUP</th>
<th>ITEM NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Conditioner for ProMax 3D, ProMax, and Proline X-rays</td>
<td>PM6144</td>
</tr>
<tr>
<td>Optional wall mounting bracket for PM6144</td>
<td>PM10519</td>
</tr>
<tr>
<td>Power Conditioner for ProOne Panoramic</td>
<td>PM61084</td>
</tr>
<tr>
<td>Optional wall mounting bracket for PM61084</td>
<td>PM10919</td>
</tr>
<tr>
<td>Power Conditioner for PLANMECA Intraoral X-rays</td>
<td>PM61036</td>
</tr>
<tr>
<td>Optional wall mounting bracket for PM61036</td>
<td>PM10519</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OPTICAL ISOLATOR FOR RJ45 CONNECTIONS</th>
<th>ITEM NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optical isolator for RJ45 connections for ProMax, ProOne, and LAN connection (Quantity ordered dependent on configuration)</td>
<td>PM23030</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>POWER CONDITIONER</th>
<th>ITEM NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Conditioner for ProMax 3D, ProMax</td>
<td>PM54320</td>
</tr>
<tr>
<td>Power Conditioner with battery backup for PLANMECA Intraoral X-rays, and ProOne</td>
<td>PM54322</td>
</tr>
<tr>
<td>Power Conditioner with battery backup for Proline X-rays</td>
<td>PM54222</td>
</tr>
<tr>
<td>Power Conditioner with battery backup for Network Interface Box (NIB),</td>
<td>PM54024</td>
</tr>
<tr>
<td>Power Conditioner with battery backup for HP Computer</td>
<td>PM54080</td>
</tr>
</tbody>
</table>

The table below provides a comparison of the features and specifications of the two power conditioners:

<table>
<thead>
<tr>
<th>PLANMECA # PM54222</th>
<th>PLANMECA # PM54320</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Standard</td>
</tr>
<tr>
<td>Power Rating VA/Watts</td>
<td>1800 / 1400</td>
</tr>
<tr>
<td>Inverter Waveform</td>
<td>Low distortion sine wave</td>
</tr>
<tr>
<td>Transfer time</td>
<td>4 ms. typical</td>
</tr>
<tr>
<td>Frequency</td>
<td>50 - 60 Hz.</td>
</tr>
<tr>
<td>BTU / Hr.</td>
<td>652</td>
</tr>
<tr>
<td>T.H.D. Max. w/ 100% resistive load</td>
<td>&lt;3% on battery</td>
</tr>
<tr>
<td>On-line Efficiency w/o Charger</td>
<td>&gt;88%</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>120</td>
</tr>
<tr>
<td>Input Current</td>
<td>16 amps max</td>
</tr>
<tr>
<td>Output Voltage</td>
<td>120</td>
</tr>
<tr>
<td>Output Current VA / Watts</td>
<td>11.7 / 15.0 amps</td>
</tr>
<tr>
<td>Input Voltage Range w/using Battery</td>
<td>90 - 144 volts</td>
</tr>
<tr>
<td>Output regulation (mains)</td>
<td>± 10%</td>
</tr>
<tr>
<td>Output regulation (battery)</td>
<td>± 3%</td>
</tr>
<tr>
<td>Backup time (full load)</td>
<td>8 to 10 minutes</td>
</tr>
<tr>
<td>Communications Interface</td>
<td>DB9, USB</td>
</tr>
<tr>
<td>Shipping Weight (lbs.)</td>
<td>160</td>
</tr>
</tbody>
</table>
**North American Uninterruptible Power Manager “A” Case Enclosure with Battery Back-up**

**PLANMECA # PM54024**

- **Recommended for NIB** (network interface box)

**Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Standard</td>
</tr>
<tr>
<td><strong>Power Rating VA/Watts</strong></td>
<td>240/168</td>
</tr>
<tr>
<td><strong>Inverter Waveform</strong></td>
<td>Low distortion sine wave</td>
</tr>
<tr>
<td><strong>Transfer time</strong></td>
<td>4 ms. typical</td>
</tr>
<tr>
<td><strong>Frequency</strong></td>
<td>60 Hz.</td>
</tr>
<tr>
<td><strong>BTU / Hr.</strong></td>
<td>57</td>
</tr>
<tr>
<td><strong>T.H.D. Max. w / 100% resistive load</strong></td>
<td>&lt;3% on battery</td>
</tr>
<tr>
<td><strong>On line Efficiency w/o Charger</strong></td>
<td>90%</td>
</tr>
<tr>
<td><strong>Input Voltage</strong></td>
<td>120</td>
</tr>
<tr>
<td><strong>Input Current</strong></td>
<td>2.5 amps</td>
</tr>
<tr>
<td><strong>Output Voltage</strong></td>
<td>120</td>
</tr>
<tr>
<td><strong>Output Current</strong></td>
<td>120</td>
</tr>
<tr>
<td><strong>Output Current VA / Watts</strong></td>
<td>2.0 / 1.4 amps</td>
</tr>
<tr>
<td><strong>Input Voltage Range w/o using Battery</strong></td>
<td>96 - 151 volts</td>
</tr>
<tr>
<td><strong>Output regulation (mains)</strong></td>
<td>± 10%</td>
</tr>
<tr>
<td><strong>Output regulation (battery)</strong></td>
<td>± 5 %</td>
</tr>
<tr>
<td><strong>Backup time (full load)</strong></td>
<td>8 to 10 minutes</td>
</tr>
<tr>
<td><strong>Wall Mountable</strong></td>
<td>NO</td>
</tr>
<tr>
<td><strong>Communications Interface</strong></td>
<td>DB9, USB</td>
</tr>
<tr>
<td><strong>Shipping Weight (lbs.)</strong></td>
<td>27</td>
</tr>
</tbody>
</table>

**Internal Batteries**

- User hot-swappable (see instruction manual)
- Type - 12 volt, High Rate 21W
- Quantity - 2 batteries
- Recharge time - 8 hours to 80%, 24 hours to full charge

**Environmental**

- Temperature: -40 to 140°F (-40 to +60°C)
- Humidity: 5% - 90% non-condensing
- Altitude: 3000m (10,000 ft.) max.

**Additional Model Specific Information**

- Safety Agency and EMC Compliance: All units are listed by UL, and marked with the UL/cUL marking.
- Standard UFM:
  - UL1778 2nd edition
  - CSA 22.2 Nos. 107-1

**Products in compliance with:**

- FCC Part 15, Subpart B, Sections 15.107b & 15.109b. Class A Digital Device*
- IEC61000-4-2, Electromagnetic Field Immunity
- IEC61000-4-3, Radiated Electromagnetic Field Immunity
- IEC61000-4-4, Electrical Fast Transient/Burst Immunity
- IEC61000-4-5, Surge Immunity
- IEC61000-4-6, Immunity to Conducted Radio Frequency Disturbances
- IEC61000-4-8, Power Frequency Magnetic Field Immunity
- IEC61000-4-11, Voltage Dips, Short Interruptions, and Voltage Variations
- RoHS Compliance: All products, Standard and Medical are RoHS compliant

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**North American Standard Conditioner “D” Case Enclosure**

**PLANMECA # PM61144**

- **Recommended for ProMax® 3D, ProMax® and Proline X-Rays**

**Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>VA Rating</strong></td>
<td>1440</td>
</tr>
<tr>
<td><strong>Frequency</strong></td>
<td>60 Hz.</td>
</tr>
<tr>
<td><strong>BTU / Hr. Output</strong></td>
<td>246</td>
</tr>
<tr>
<td><strong>THD. % Added</strong></td>
<td>&lt;1%</td>
</tr>
<tr>
<td><strong>Load Surge Current @</strong></td>
<td></td>
</tr>
<tr>
<td>1/2 cycle</td>
<td>400 amps</td>
</tr>
<tr>
<td>1 second</td>
<td>192 amps</td>
</tr>
<tr>
<td>10 seconds</td>
<td>55 amps</td>
</tr>
<tr>
<td><strong>Input Voltage</strong></td>
<td>120</td>
</tr>
<tr>
<td><strong>Output Voltage</strong></td>
<td>120</td>
</tr>
<tr>
<td><strong>Output Current</strong></td>
<td>12.0 amps</td>
</tr>
<tr>
<td><strong>Efficiency</strong></td>
<td>95 %</td>
</tr>
<tr>
<td><strong>Voltage Drop NO load too FULL load</strong></td>
<td>4 %</td>
</tr>
<tr>
<td><strong>Wall Mountable</strong></td>
<td>YES</td>
</tr>
<tr>
<td><strong>Compliance</strong></td>
<td>UL, cUL, RoHS</td>
</tr>
<tr>
<td><strong>Shipping Weight (lbs.)</strong></td>
<td>43</td>
</tr>
</tbody>
</table>

---

*Note: All products are recommended for specific applications.*
North American Uninterruptible Power Manager
“D” Case Enclosure with Battery Back-up

- PLANMECA # PM61036
- Recommended for PLANMECA Intraoral X-rays
- Recharge time: 8 hours to 80%, 24 hours to full charge
- Battery DC Jumper (also enables cold start on battery)
- Battery on/off switch
- User hot-swappable (see instruction manual)
- Overload LED
- Replacement Battery LED
- Voltage Manager Boost
- Voltage Manager Nominal LED
- Voltage Manager Buck LED
- Site Wiring Fault LED
- Communication Manager DB9 port, USB Port
- Circuit Breaker
- AC inlet Module
- Front Panel Controls
  - Power On/Off
  - Test
  - Load Level LED Gauge
  - Battery Charge LED Gauge
  - Output Receptacle Status
  - Voltage Manager Boost
  - Voltage Manager Nominal LED
  - Voltage Manager Buck LED
  - On Battery LED
  - Replace Battery LED
  - Overload LED
- Rear Panel Information and Controls
  - 6 foot power cord with NEMA 5 - 15P plug
  - Six (6) NEMA 5 - 15R receptacles controllable via ComMgr Software in two groups
  - Configuration Manager DIP switches
  - Configuration Manager DB9 port, USB Port
  - Circuit Breaker
  - AC inlet Module
  - Site Wiring Fault LED
  - Battery DC Jumper (also enables cold start on battery)
- Internal Batteries
  - User hot-swappable (see instruction manual)
  - Type: 12 volt, High Rate 51W; 54W
  - Quantity: 2 batteries; 4 batteries
  - Recharge time: 8 hours to 80%, 24 hours to full charge

Environmental
- Temperature: 0 - 40°C (32 - 104°F) Operating; 20 - 60°C (-40 - 140°F) Storage
- Humidity: 5 - 90% non-condensing (Operating, Storage)
- Altitude: 3000m (10,000 ft.) max. (Operating, Storage)

Additional Model Specific Information
- Safety Agency and EMC Compliance: All units are listed by UL, and marked with the UL/cUL marking.
- Standard UPM: Products listed to:
  - UL1778 2nd edition
  - CSA 22.2 No. 107-1
- Products in compliance with:
  - FCC Part 15, Subpart B, Sections 15.107b & 15.109b Class A Digital Device*
  - CISPR22: 2003-3rd edition, Class A*
  - IEC61000-4-2, Electrostatic Discharge
  - IEC61000-4-3, Radiated Electromagnetic Field Immunity
  - IEC61000-4-4, Electrical Fast Transient/Burst Immunity
  - IEC61000-4-5, Surge Immunity
  - IEC61000-4-6, Immunity to Conducted Radio Frequency Disturbances
  - IEC61000-4-8, Power Frequency Magnetic Field Immunity
  - IEC61000-4-11, Voltage Dips, Short Interruptions, and Voltage Variations
  - RoHS Compliance: All products, Standard and Medical are RoHS compliant

North American Standard Conditioner
“B” Case Enclosure

- PLANMECA # PM61036
- Recommended for PLANMECA Intraoral X-rays
- Voltage Drop NO load too FULL load: 6 %
- Wall Mountable: Yes
- Compliance: UL, cUL, RoHS
- Shipping Weight (lbs.): 11
- Additional Model Specific Information
  - Safety Agency and EMC Compliance: All units are listed by UL, and marked with the UL/cUL marking.
  - Standard UPM: Products listed to:
    - UL1778 2nd edition
    - CSA 22.2 No. 107-1
  - Products in compliance with:
    - FCC Part 15, Subpart B, Sections 15.107b & 15.109b Class A Digital Device*
    - CISPR22: 2003-3rd edition, Class A*
    - IEC61000-4-2, Electrostatic Discharge
    - IEC61000-4-3, Radiated Electromagnetic Field Immunity
    - IEC61000-4-4, Electrical Fast Transient/Burst Immunity
    - IEC61000-4-5, Surge Immunity
    - IEC61000-4-6, Immunity to Conducted Radio Frequency Disturbances
    - IEC61000-4-8, Power Frequency Magnetic Field Immunity
    - IEC61000-4-11, Voltage Dips, Short Interruptions, and Voltage Variations
  - RoHS Compliance: All products, Standard and Medical are RoHS compliant

Table

<table>
<thead>
<tr>
<th>PLANMECA # PM54144</th>
</tr>
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<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Power Rating VA/Watts</td>
</tr>
<tr>
<td>Inverter Waveform</td>
</tr>
<tr>
<td>Transfer time</td>
</tr>
<tr>
<td>Frequency</td>
</tr>
<tr>
<td>BTU / Hr.</td>
</tr>
<tr>
<td>THD Max. w/ 100% resistive load</td>
</tr>
<tr>
<td>On line Efficiency w/o Charger</td>
</tr>
<tr>
<td>Input Voltage</td>
</tr>
<tr>
<td>Input Current</td>
</tr>
<tr>
<td>Output Voltage</td>
</tr>
<tr>
<td>Output Current VA/Watts</td>
</tr>
<tr>
<td>Input Voltage Range w/ using Battery</td>
</tr>
<tr>
<td>Output regulation (mains)</td>
</tr>
<tr>
<td>Output regulation (battery)</td>
</tr>
<tr>
<td>Backup time (full load)</td>
</tr>
<tr>
<td>Wall Mountable</td>
</tr>
<tr>
<td>Communications Interface</td>
</tr>
<tr>
<td>Shipping Weight (lbs.)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PLANMECA # PM61036</th>
</tr>
</thead>
<tbody>
<tr>
<td>VA Rating</td>
</tr>
<tr>
<td>Frequency</td>
</tr>
<tr>
<td>BTU / Hr. Output</td>
</tr>
<tr>
<td>THD % Added</td>
</tr>
<tr>
<td>Load Surge Current @</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Input Voltage</td>
</tr>
<tr>
<td>Output Voltage</td>
</tr>
<tr>
<td>Output Current</td>
</tr>
<tr>
<td>Efficiency</td>
</tr>
<tr>
<td>Voltage Drop NO load too FULL load</td>
</tr>
<tr>
<td>Wall Mountable</td>
</tr>
<tr>
<td>Compliance</td>
</tr>
<tr>
<td>Shipping Weight (lbs.)</td>
</tr>
</tbody>
</table>
**North American Uninterruptible Power Manager “C” Case Enclosure with Battery Back-up**

**PMS4080** Recommended for HP Computer

- **Front Panel Controls**
  - Power On/Off
  - Test
  - Load Level LED Gauge
  - Battery Charge LED Gauge
  - Output Receptacle Status
  - Voltage Manager Boost
  - Voltage Manager Nominal LED
  - Voltage Manager Buck LED
  - On Battery LED
  - Replace Battery LED
  - Overload LED

- **Rear Panel Information and Controls**
  - 6 foot power cord with NEMA 5-15P plug
  - Six (6) NEMA 5-15R receptacles controllable via Com Mgr Software in two groups
  - Communications Manager DB9 port, USB Port
  - Circuit Breaker
  - AC Input Module
  - Site Wiring Fault LED
  - Battery DC Jumper (also enables cold start on battery)

- **Internal Batteries**
  - User hot-swappable (see instruction manual)
  - Type: 12 volt, High Rate 21W
  - Quantity: 2 batteries
  - Recharge time: 8 hours to 80%, 24 hours to full charge

- **Environmental**
  - Temperature: 0 to 40°C (32 to 104°F) Operating, -20 to +60°C (-40 to +140°F) Shipment Storage
  - Humidity: 5 to 90% non-condensing (Operating, Shipment, Storage)
  - Altitude: 3000m (10,000 ft.) max. (Operating, Shipment, Storage)

- **Additional Model Specific Information**
  - Safety Agency and EMC Compliance:
    - All units are listed by UL, and marked with the UL/cUL marking.
  - Standard UPM:
    - Products listed to:
      - UL1778 2nd edition
      - CSA 22.2 Nos. 107-1
  - Products in compliance with:
    - CISPR22:2003-3rd edition, Class A
    - IEC61000-4-2, Electromagnetic Field Immunity
    - IEC61000-4-3, Electrical Fast Transient/Burst Immunity
    - IEC61000-4-4, Surge Immunity
    - IEC61000-4-6, Immunity to Conducted Radio Frequency Disturbances
    - IEC61000-4-8, Power Frequency Magnetic Field Immunity
    - IEC61000-4-11, Voltage Dips, Short Interruptions, and Voltage Variations

- **RoHS Compliance:**
  - All products, Standard and Medical are RoHS compliant

- **PLANMECA # PMS4080**
  - Type: Standard
  - Power Rating VA/Watts: 800 / 560
  - Inverter Waveform: Low distortion sine wave
  - Transfer time: 4 ms, typical
  - Frequency: 60 Hz.
  - BTU / Hr.: 166
  - T.H.D. Max. w / 100% resistive load: <3% on battery
  - On line Efficiency w/o Charger: 90%
  - Input Voltage: 120
  - Input Current: 7.9 amps
  - Output Voltage: 120
  - Output Current VA/Watts: 6.7 / 4.7 amps
  - Input Voltage Range w/o using Battery: 96 - 151 volts
  - Input regulation (mins): ± 10%
  - Output regulation (battery): ± 5%
  - Backup time (full load): 4 to 6 minutes
  - Wall Mountable: YES
  - Communications Interface: DB9, USB
  - Shipping Weight (lbs.): 47

**North American Standard Conditioner “C” Case Enclosure**

**PM61084** Recommended for ProOne™ Panoramic

- **PLANMECA # PM61084**
  - VA Rating: 840
  - Frequency: 60 Hz.
  - BTU / Hr. Output: 143
  - T.H.D. % Added: <1%
  - Load Surge Current @
    - 1/2 cycle: 237 amps
    - 1 second: 114 amps
    - 10 seconds: 33 amps
  - Input Voltage: 120
  - Output Voltage: 120
  - Output Current: 7.0 amps
  - Efficiency: 95 %
  - Voltage Drop NO load to FULL load: 5 %
  - Wall Mountable: YES
  - Compliance: UL, cUL, RoHS
  - Shipping Weight (lbs.): 22